

File: mip\_home\_dhcp\_thread

From: Cristian Constantin [constantin@FOKUS.GMD.DE]  
Sent: Tuesday, December 07, 1999 9:21 AM  
To: MOBILE-IP@standards.nortelnetworks.com  
Subject: [MOBILE-IP] Home DHCP Address for MN

Hello again!

Any draft(s) which addresses the problem of having a roaming MN with a dynamically allocated IP Address in the HOME NETWORK?

Anyone cares to give me some hints about how to solve this problem?

Bye  
Cristian

From: Cristian Constantin [constantin@fokus.gmd.de]  
Sent: Tuesday, December 07, 1999 10:44 AM  
To: thuel@bell-labs.com  
Subject: Re: [MOBILE-IP] Home DHCP Address for MN

Sandy Thuel wrote:

>  
> Hi Cristian,  
>  
> There are several ways to address this problem. The solution  
> typically entails the help of Mobile IP to get the dynamically  
> assigned home address for the roaming MN. For instance, when the MN  
> sends a Mobile-IP registration to its HA (with a missing home  
> address), the HA may trigger the acquisition of the home address via  
> DHCP, then return the acquired address in its registration reply to  
> the MN.

Cristian: I have to say that I am a little bit puzelled...

Are you saying that the AWAY-MN WILL NOT HAVE TO use its DHCP (client) capabilities??

I thought that you would have to tunnel somehow the DHCP (some of them might be broadcasts) messages back into the HN and obtain an IP Address that will get to be known by the HA also.

Could you please send me some more details about your workings in this field?

Thank you very much indeed!

Cristian

From: Mudar Barry [mb43@ukc.ac.uk]  
Sent: Tuesday, December 07, 1999 2:36 PM  
To: thuel@bell-labs.com  
Subject: Re: [MOBILE-IP] Home DHCP Address for MN

Hello Sandy,



I'd be grateful if you can provide me with more information on Home DHCP Address for MN.

Mudar Barry

University of Kent at Canterbury (UK)

Sandy Thuel wrote:

> Hi Cristian,

>

> There are several ways to address this problem. The solution  
> typically entails the help of Mobile IP to get the dynamically  
> assigned home address for the roaming MN. For instance, when the MN  
> sends a Mobile-IP registration to its HA (with a missing home  
> address), the HA may trigger the acquisition of the home address via  
> DHCP, then return the acquired address in its registration reply to  
> the MN.

>

> We are working on a document describing, in-depth, a solution to this  
> problem. If you're interested in more information, please contact me  
> directly.

>

> - Sandy Thuel  
> Bell Labs, Lucent Technologies  
> thuel@lucent.com

>

> On Tuesday, December 07, 1999 9:21 AM, Cristian Constantin [SMTP:constantin@FOKUS.GMD.DE] wrote:

>> Hello again!

>>

>> Any draft(s) which addresses the problem of having a roaming MN with  
>> a dynamically allocated IP Address in the HOME NETWORK?

>>

>> Anyone cares to give me some hints about how to solve this problem?

>>

>> Bye

>> Cristian

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